

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040518\
 Data File : BE095950.D
 Acq On : 5 Apr 2018 9:56
 Operator : SJ/JU
 Sample : J2148-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-2A

Manual Integrations
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Sohil
 4/6/2018 5:26:26 PM

Quant Time: Apr 06 12:12:30 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 12:41:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.41	152	1624	0.40	ng	-0.02
7) Naphthalene-d8	11.24	136	6323	0.40	ng	-0.01
13) Acenaphthene-d10	14.99	164	3397	0.40	ng	-0.01
19) Phenanthrene-d10	17.70	188	7510	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	7901	0.40	ng	-0.01
34) Perylene-d12	24.42	264	7766	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.90	112	1932	0.36	ng	-0.02
5) Phenol-d6	7.55	99	2702	0.37	ng	-0.02
8) Nitrobenzene-d5	9.58	82	2595	0.35	ng	-0.01
11) 2-Methylnaphthalene-d10	12.79	152	3474	0.33	ng	-0.01
14) 2,4,6-Tribromophenol	16.46	330	713	0.36	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	4802	0.34	ng	-0.01
25) Fluoranthene-d10	19.68	212	30148	0.27	ng	-0.01
29) Terphenyl-d14	20.24	244	5442	0.32	ng	0.00
Target Compounds						
9) Naphthalene	11.30	128	22358	0.310	ng	Qvalue 100
12) 2-Methylnaphthalene	12.86	142	5082	0.412	ng	95
16) Acenaphthylene	14.73	152	5256	0.271	ng	98
18) Fluorene	16.02	166	1099	0.071	ng	# 72
23) Phenanthrene	17.74	178	30533	1.358	ng	96
24) Anthracene	17.83	178	4615	0.205	ng	# 93
26) Fluoranthene	19.71	202	64642	2.070	ng	97
28) Pyrene	20.06	202	81535	2.533	ng	97
30) Benzo(a)anthracene	21.78	228	26463	0.966	ng	# 95
31) Chrysene	21.83	228	38557m	1.542	ng	
32) Bis(2-ethylhexyl)phthalate	21.64	149	16625	0.198	ng	100
33) Indeno(1,2,3-cd)pyrene	27.23	276	24343	0.904	ng	# 90
35) Benzo(b)fluoranthene	23.61	252	47518	1.850	ng	# 94
36) Benzo(k)fluoranthene	23.65	252	13893m	0.541	ng	
37) Benzo(a)pyrene	24.30	252	27600	1.146	ng	# 73
38) Dibenzo(a,h)anthracene	27.24	278	6100m	0.267	ng	
39) Benzo(a,h,i)perylene	28.12	276	26503	1.153	ng	# 91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

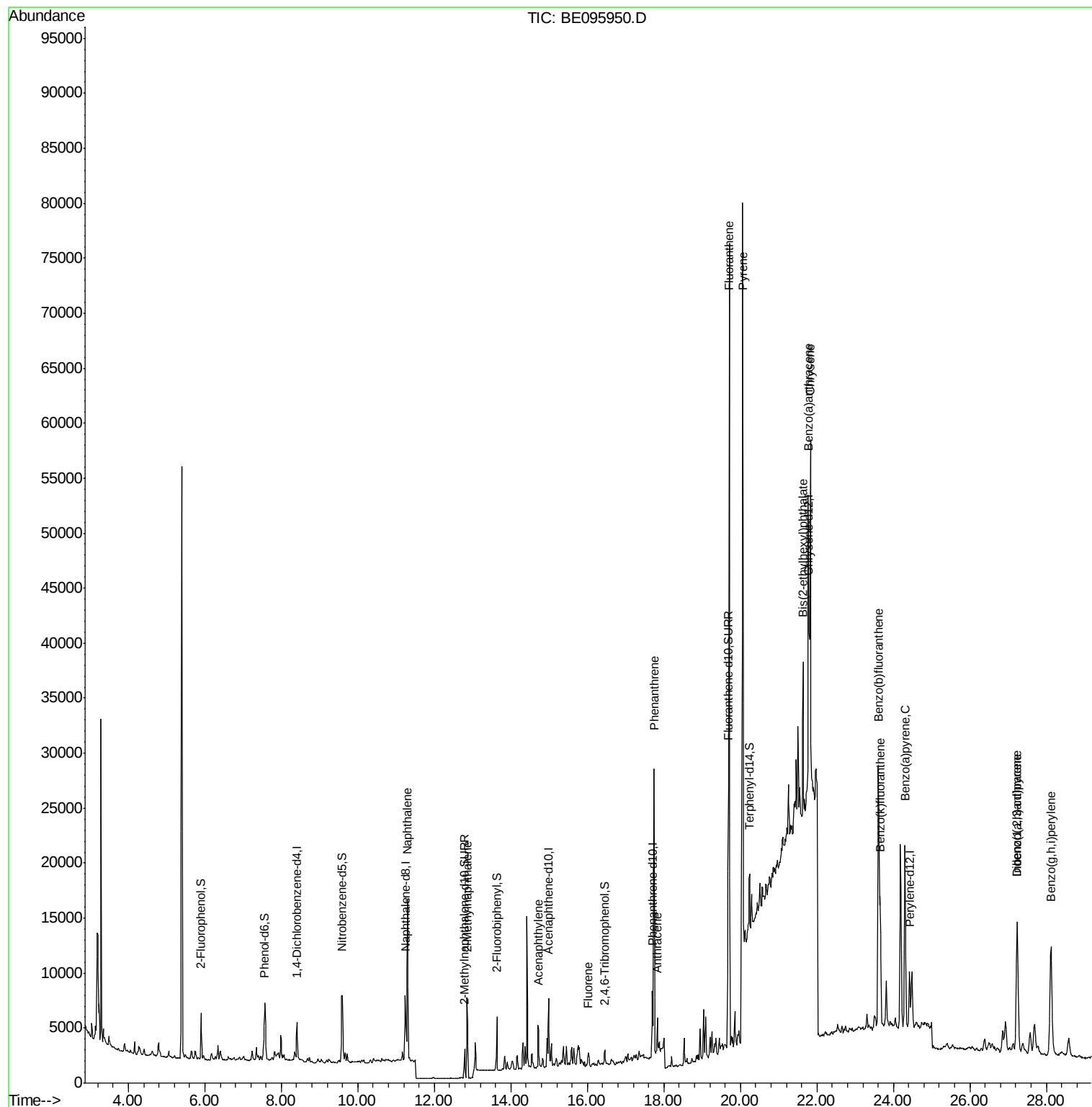
Data Path : Z:\HPCHEM1\BNA E\DATA\BE040518\
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BNA_E
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

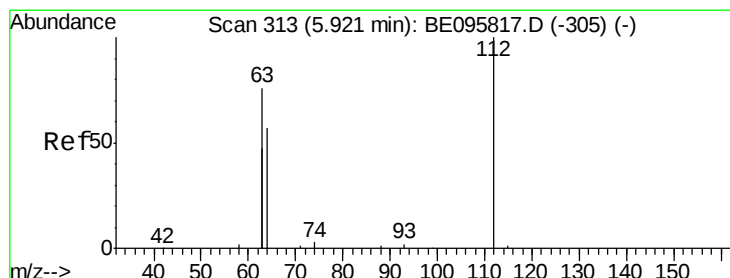
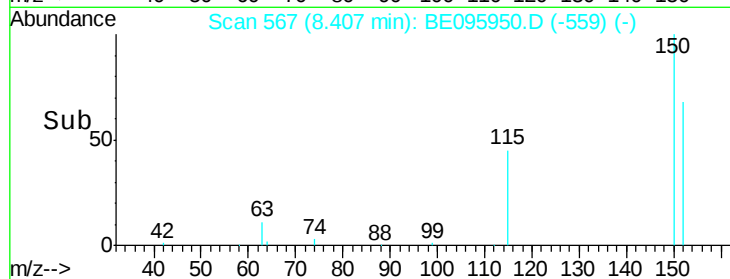
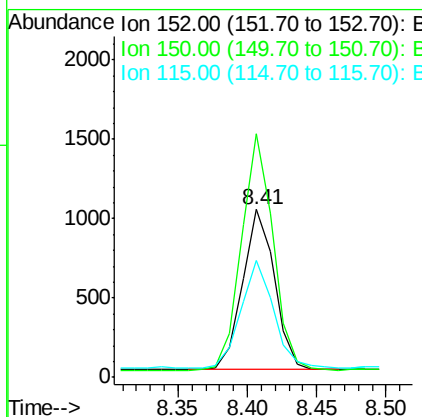
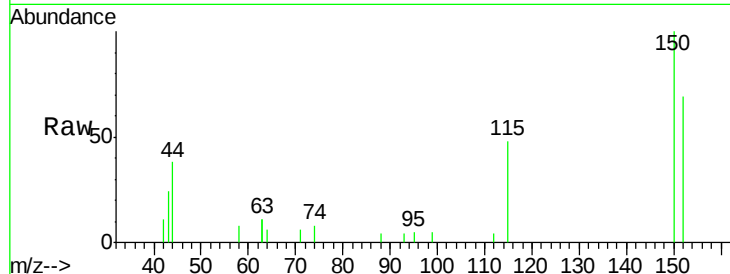
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.41 min Scan# 567
 Delta R.T. -0.02 min
 Lab File: BE095950.D
 Acq: 5 Apr 2018 9:56

Instrument :
 BNA_E
 ClientSampled :
 SB-2A

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.0	117.2	175.8
115	69.4	57.0	85.6

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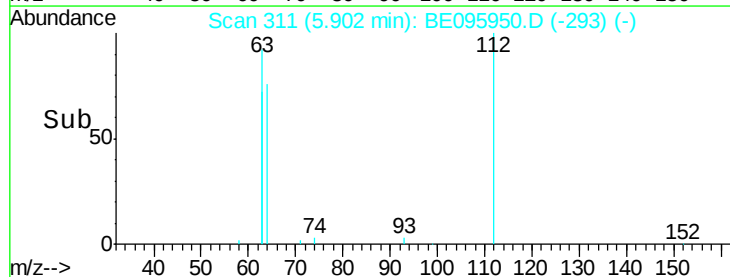
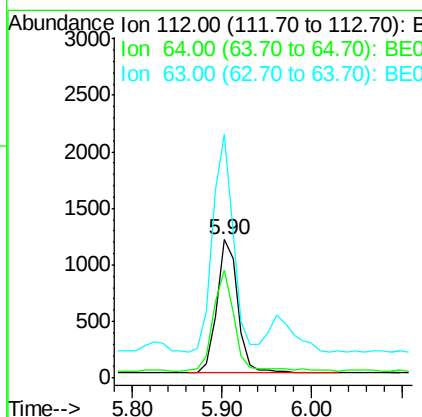
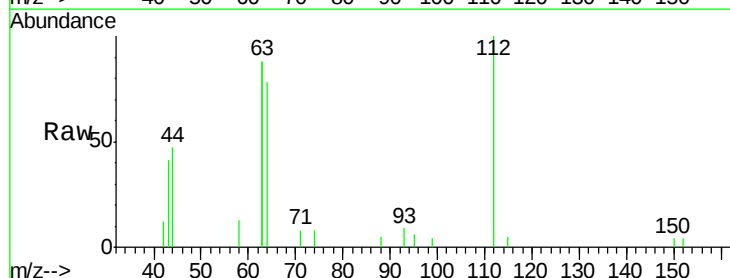
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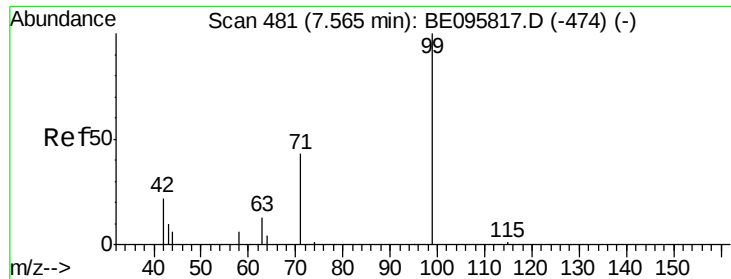


#4

2-Fluorophenol
 Concen: 0.361 ng
 RT: 5.90 min Scan# 311
 Delta R.T. -0.02 min
 Lab File: BE095950.D
 Acq: 5 Apr 2018 9:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.3	60.1	90.1
63	156.4	116.8	175.2





#5

Phenol-d6

Concen: 0.367 ng

RT: 7.55 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE095950.D

Acq: 5 Apr 2018 9:56

Instrument :

BNA_E

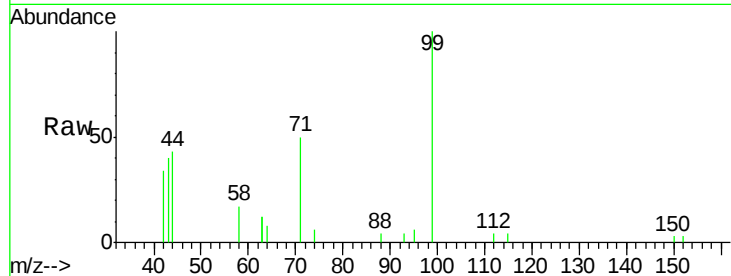
ClientSampled :

SB-2A

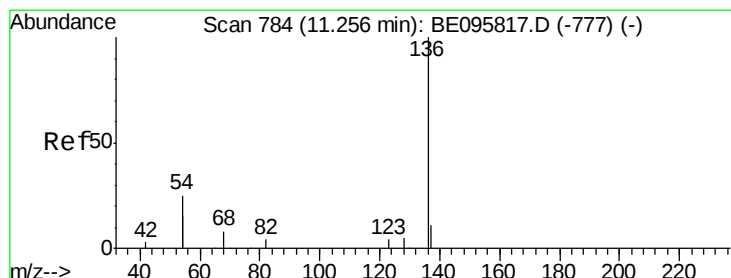
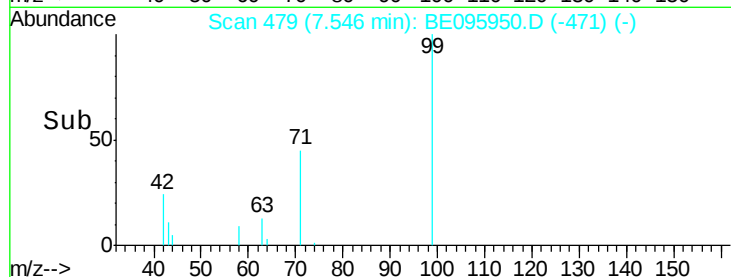
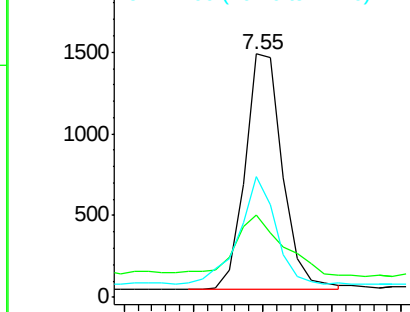
Tot Ion:	99	Resp:	2702
Ion	Ratio	Lower	Upper
99	100		
42	31.6	20.2	30.2#
71	44.7	28.4	42.6#

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Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

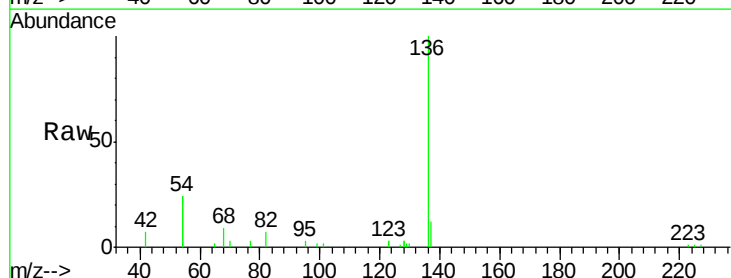
RT: 11.24 min Scan# 783

Delta R.T. -0.01 min

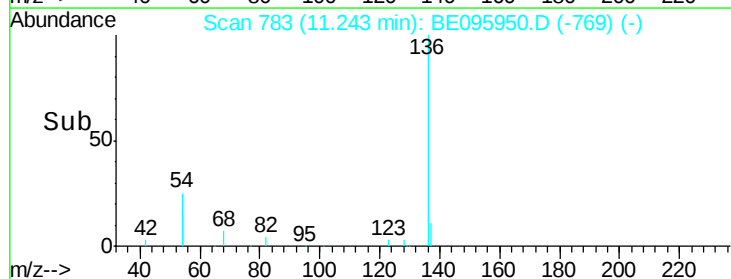
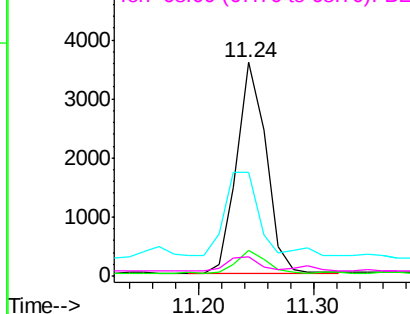
Lab File: BE095950.D

Acq: 5 Apr 2018 9:56

Tgt Ion:	136	Resp:	6323
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	48.3	29.1	43.7#
68	9.2	6.2	9.2



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.347 ng

RT: 9.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: BE095950.D

Acq: 5 Apr 2018 9:56

Instrument :

BNA_E

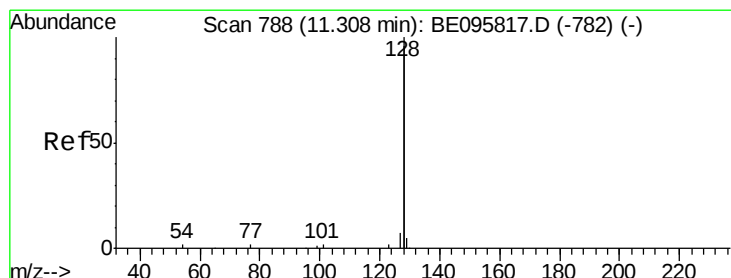
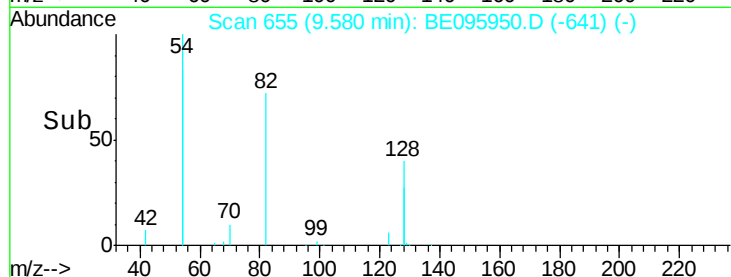
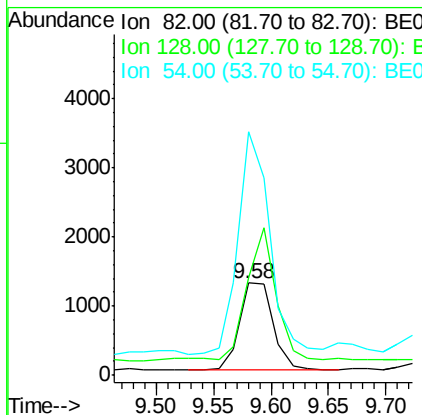
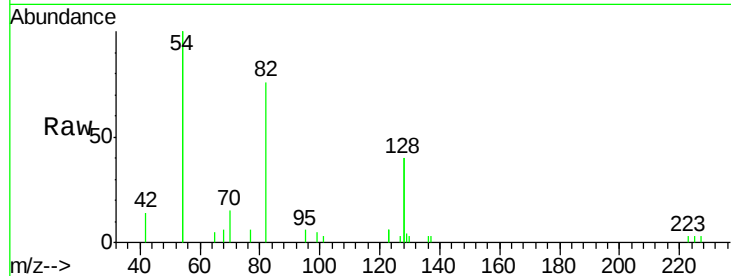
ClientSampled :

SB-2A

Tot Ion:	82	Resp:	2595
Ion Ratio	Lower	Upper	
82	100		
128	105.8	150.0	225.0#
54	263.3	154.2	231.4#

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#9

Naphthalene

Concen: 0.310 ng

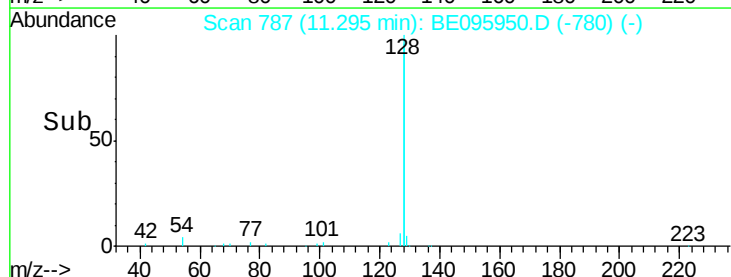
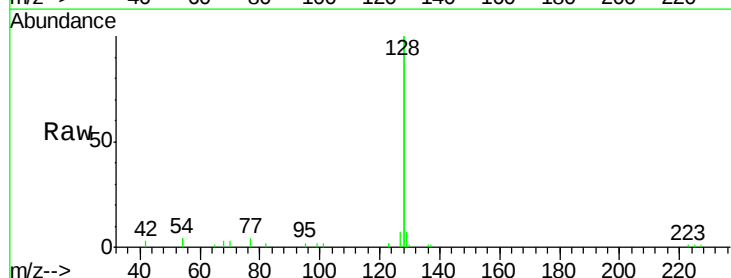
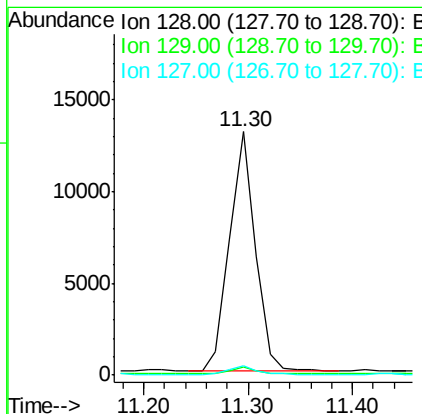
RT: 11.30 min Scan# 787

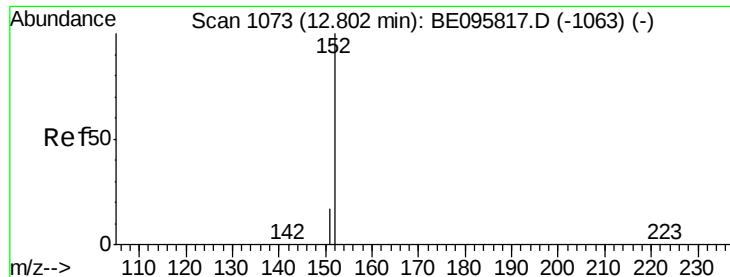
Delta R.T. -0.01 min

Lab File: BE095950.D

Acq: 5 Apr 2018 9:56

Tgt Ion:	128	Resp:	22358
Ion Ratio	Lower	Upper	
128	100		
129	3.3	2.6	3.8
127	3.6	2.8	4.2





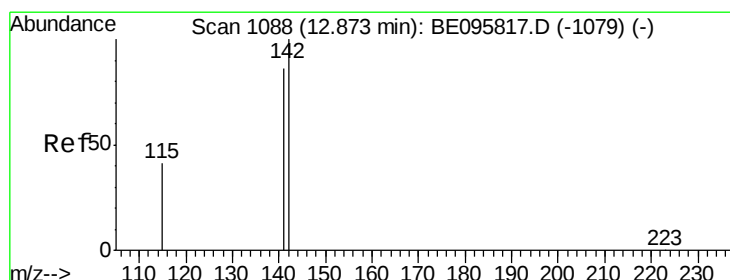
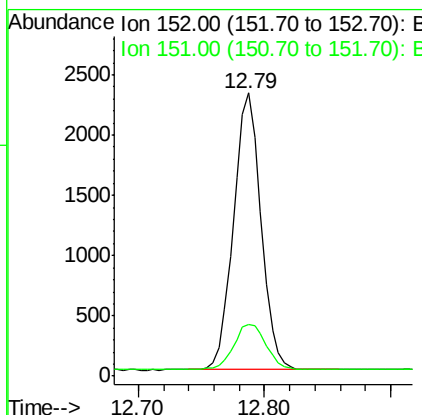
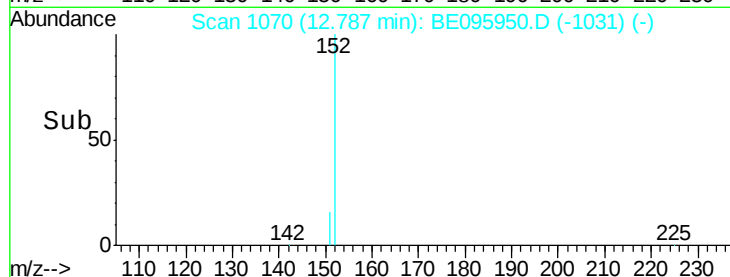
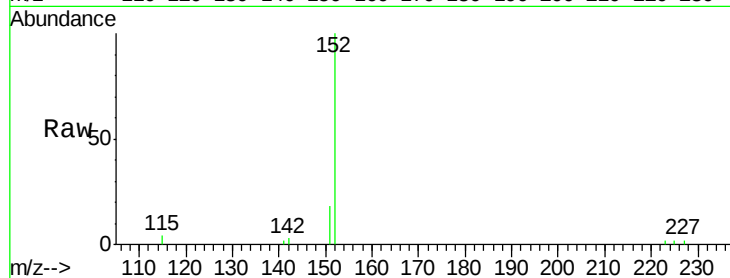
#11
2-Methylnaphthalene-d10
Concen: 0.329 ng
RT: 12.79 min Scan# 1070
Delta R.T. -0.01 min
Lab File: BE095950.D
Acq: 5 Apr 2018 9:56

Instrument :
BNA_E
ClientSampled :
SB-2A

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.0

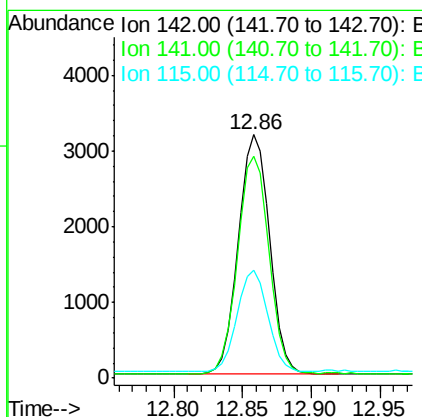
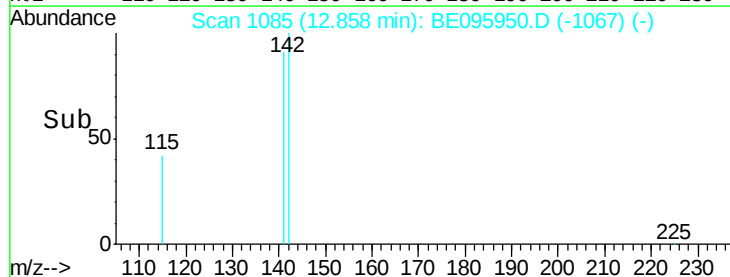
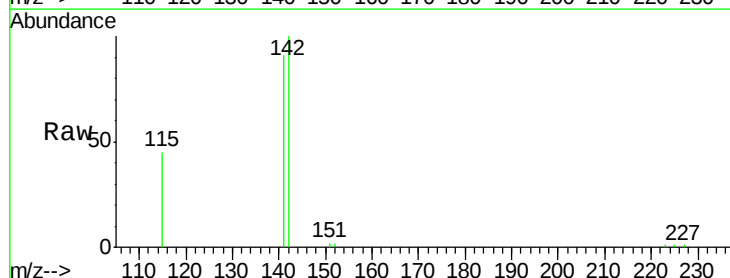
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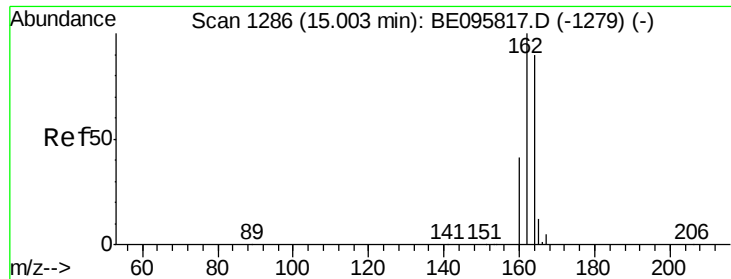
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#12
2-Methylnaphthalene
Concen: 0.412 ng
RT: 12.86 min Scan# 1085
Delta R.T. -0.01 min
Lab File: BE095950.D
Acq: 5 Apr 2018 9:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	70.4	105.6
115	44.5	31.7	47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BE095950.D

Acq: 5 Apr 2018 9:56

Instrument :

BNA_E

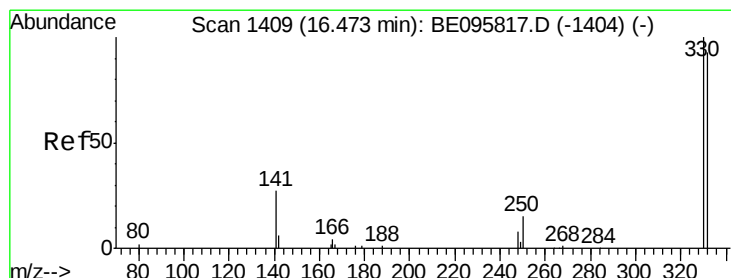
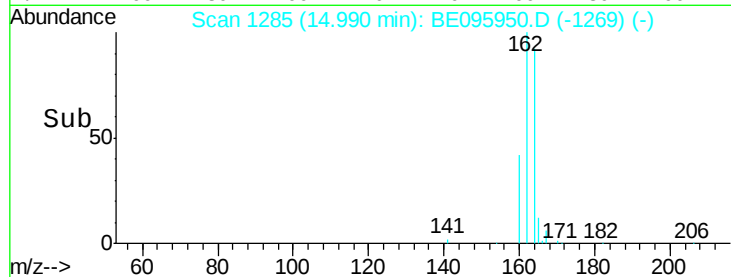
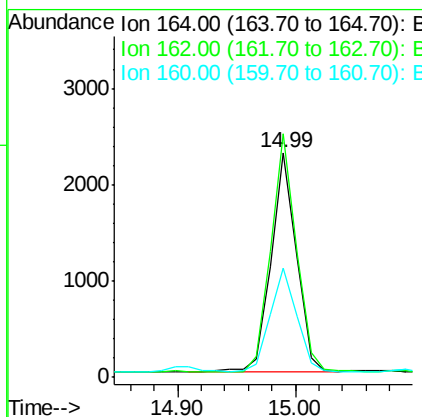
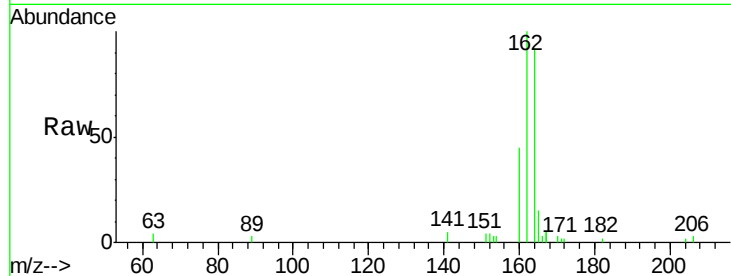
ClientSampled :

SB-2A

Tot Ion	Ratio	Lower	Upper
164	100		
162	108.5	83.1	124.7
160	48.5	37.1	55.7

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#14

2,4,6-Tribromophenol

Concen: 0.364 ng

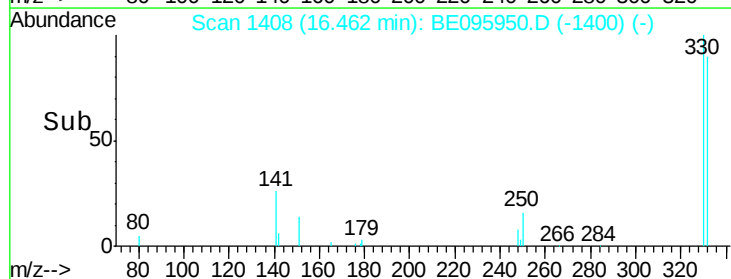
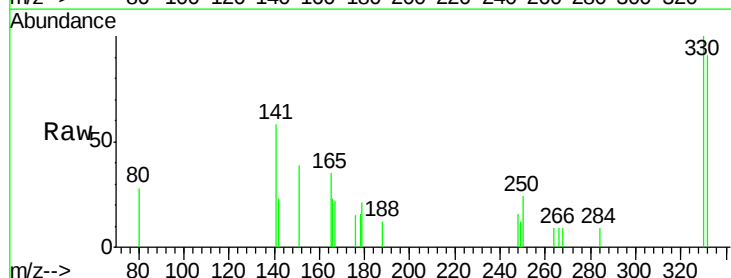
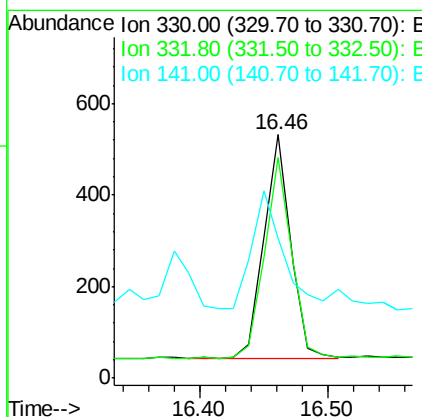
RT: 16.46 min Scan# 1408

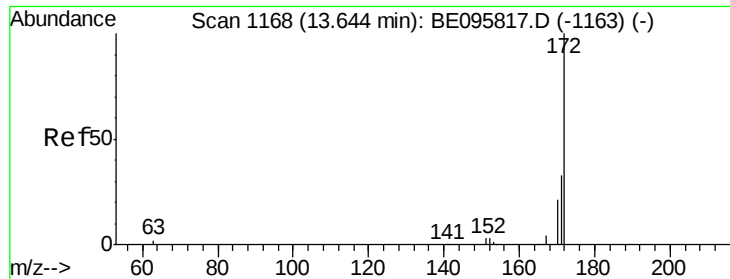
Delta R.T. -0.01 min

Lab File: BE095950.D

Acq: 5 Apr 2018 9:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	91.4	152.7	229.1#
141	61.7	33.7	50.5#





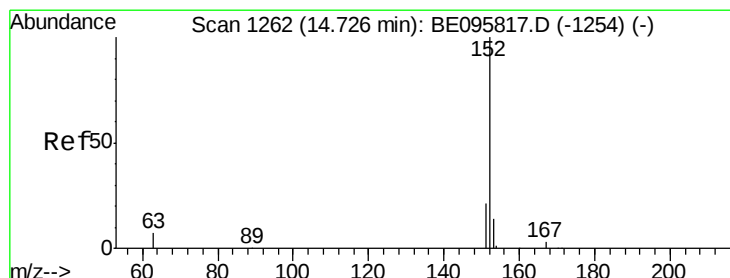
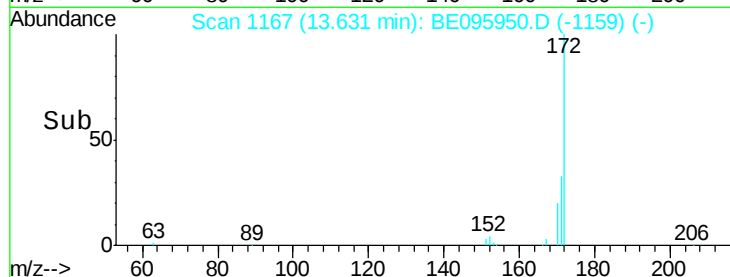
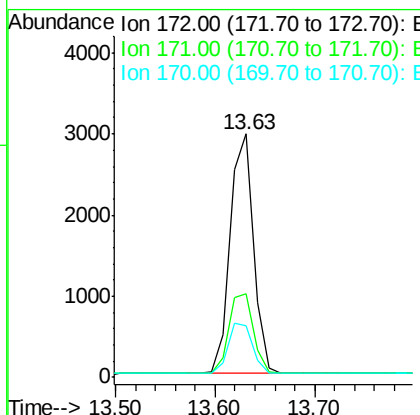
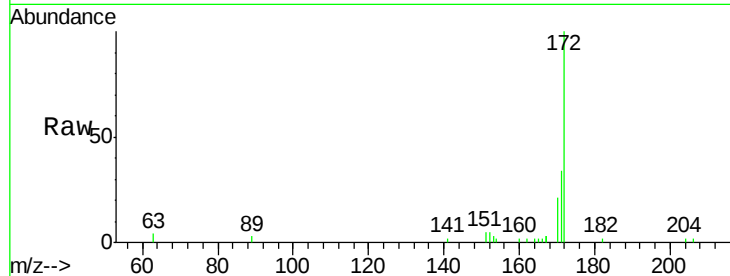
#15
2-Fluorobiphenyl
Concen: 0.335 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095950.D
Acq: 5 Apr 2018 9:56

Instrument :
BNA_E
ClientSampleId :
SB-2A

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.9	44.9
170	21.4	21.8	32.8

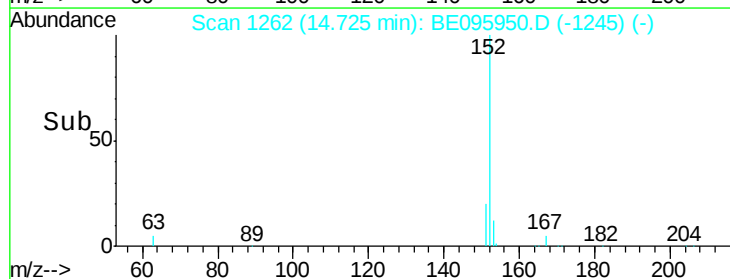
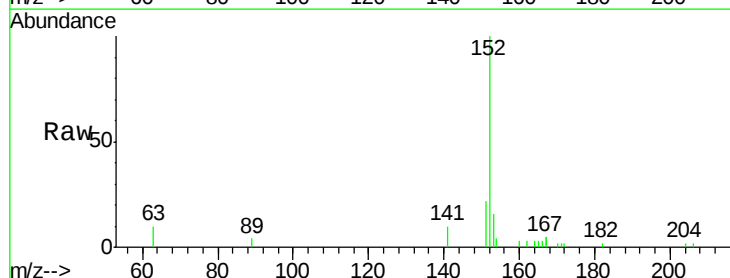
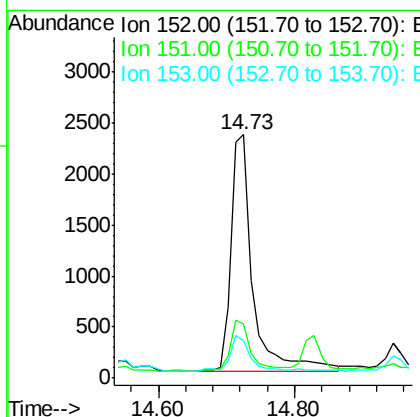
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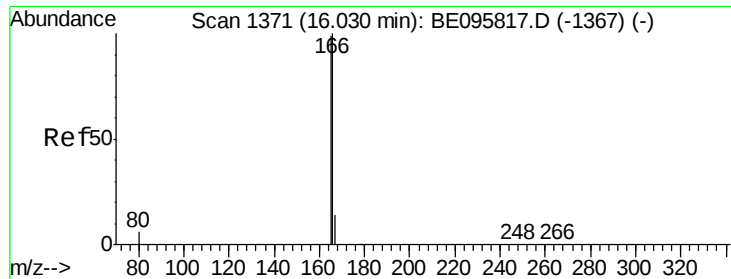
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#16
Acenaphthylene
Concen: 0.271 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE095950.D
Acq: 5 Apr 2018 9:56

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	15.0	10.5	15.7





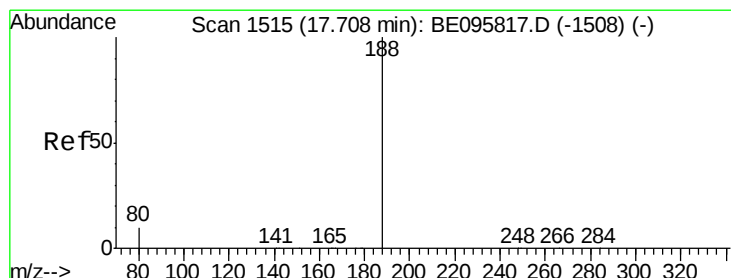
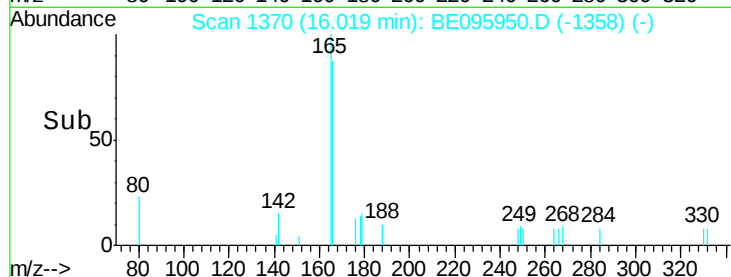
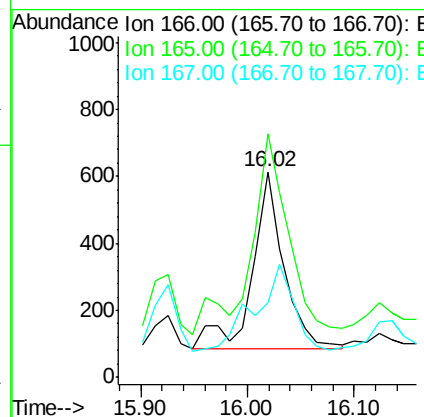
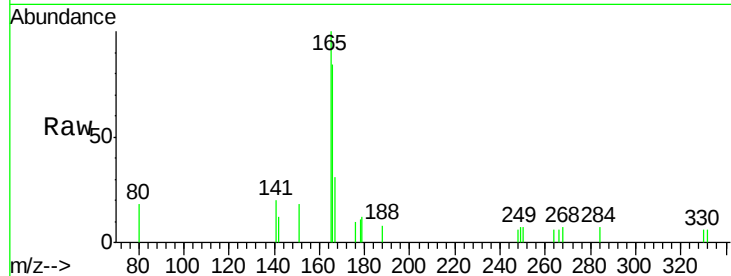
#18
Fluorene
 Concen: 0.071 ng
 RT: 16.02 min Scan# 1370
 Delta R.T. -0.01 min
 Lab File: BE095950.D
 Acq: 5 Apr 2018 9:56

Instrument :
 BNA_E
 ClientSampled :
 SB-2A

Tot Ion	Ratio	Lower	Upper
166	100		
165	135.9	77.8	116.6#
167	58.0	42.4	63.6

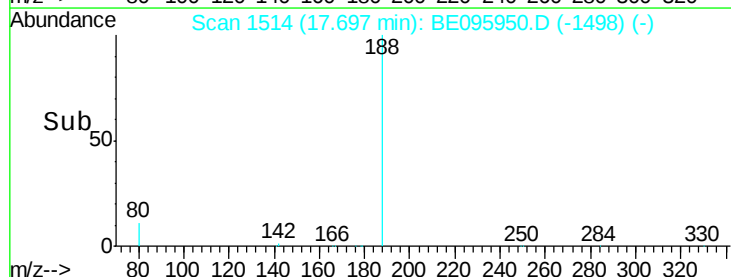
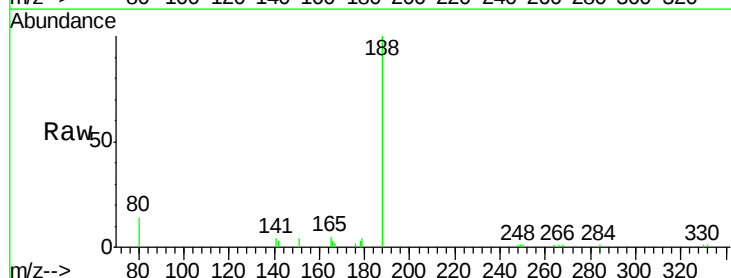
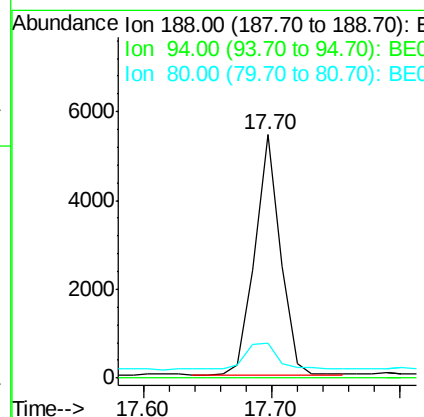
Manual Integrations
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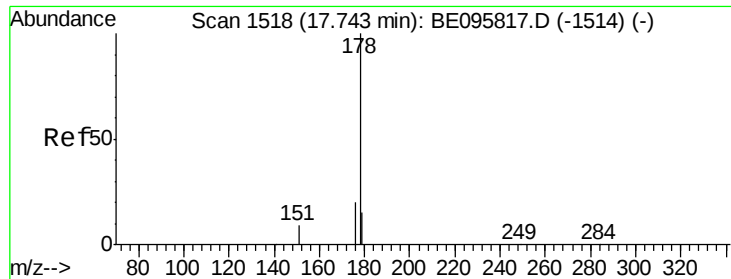
Sohil
 4/6/2018 5:26:26 PM



#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.70 min Scan# 1514
 Delta R.T. -0.01 min
 Lab File: BE095950.D
 Acq: 5 Apr 2018 9:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	14.1	3.6	5.4#





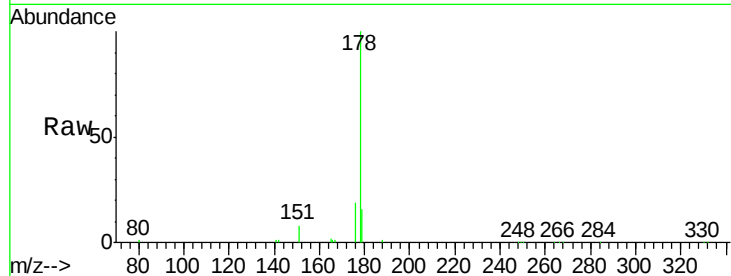
#23
Phenanthrene
Concen: 1.358 ng
RT: 17.74 min Scan# 1518
Delta R.T. 0.00 min
Lab File: BE095950.D
Acq: 5 Apr 2018 9:56

Instrument :
BNA_E
ClientSampleId :
SB-2A

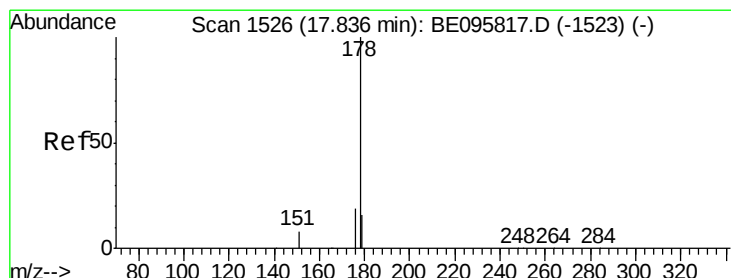
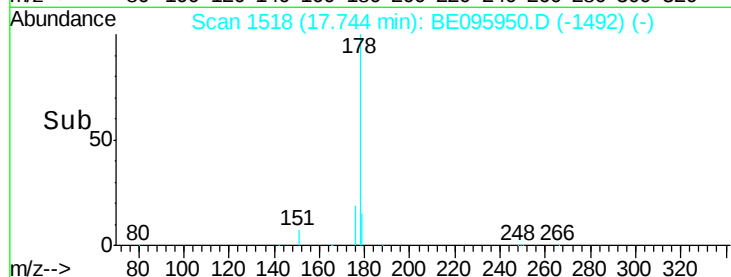
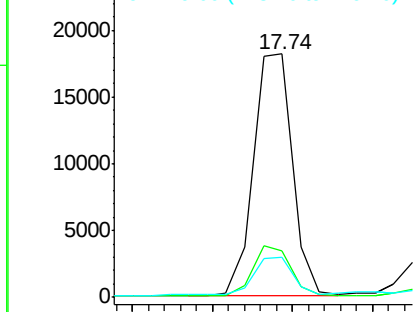
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.1	22.7
179	17.0	11.8	17.6

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4/6/2018 5:26:26 PM

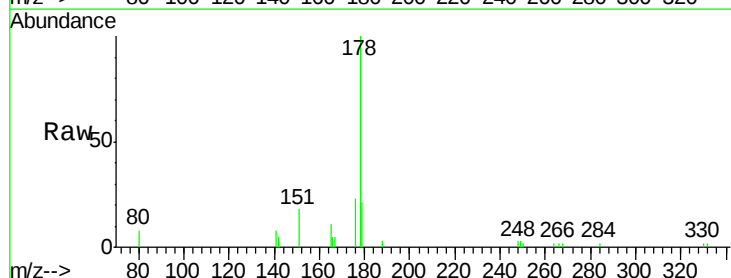


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

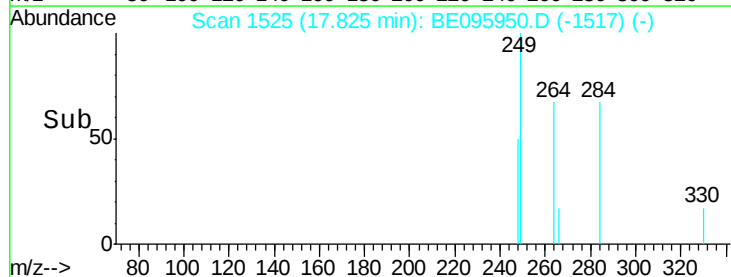
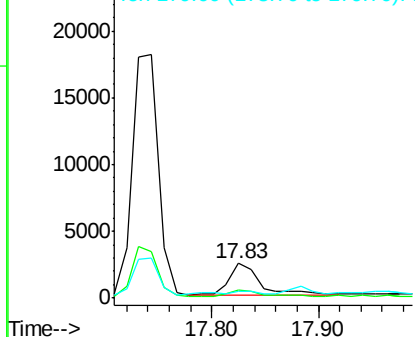


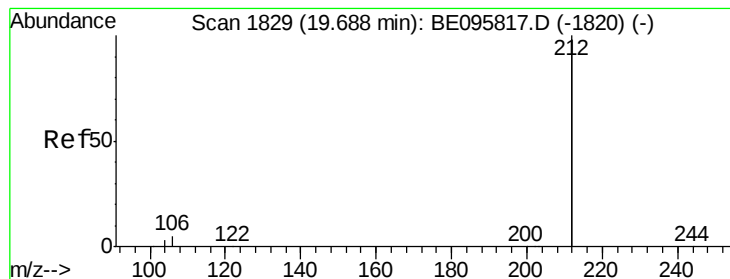
#24
Anthracene
Concen: 0.205 ng
RT: 17.83 min Scan# 1525
Delta R.T. -0.01 min
Lab File: BE095950.D
Acq: 5 Apr 2018 9:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	12.8	19.2
179	12.5	13.0	19.6#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.270 ng

RT: 19.68 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BE095950.D

Acq: 5 Apr 2018 9:56

Instrument :

BNA_E

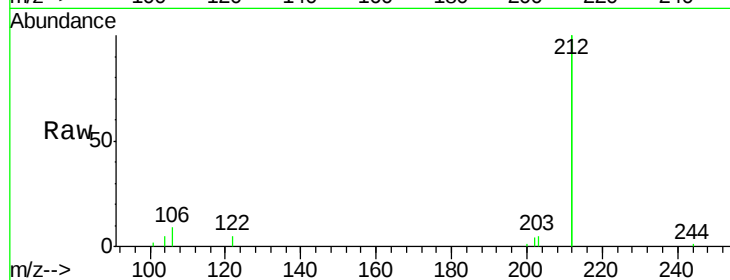
ClientSampled :

SB-2A

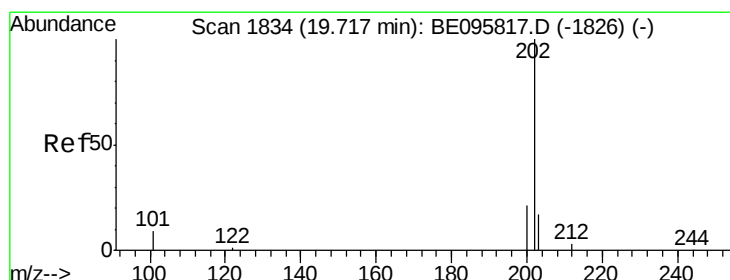
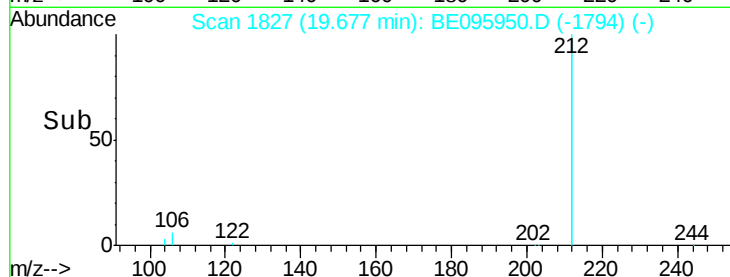
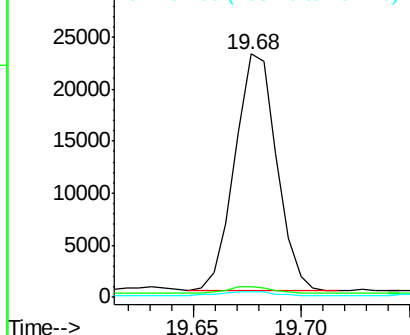
Tot Ion:	212	Resp:	30148
Ion Ratio	Lower	Upper	
212	100		
106	3.5	2.8	4.2
104	1.8	1.6	2.4

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4/6/2018 5:26:26 PM



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 2.070 ng

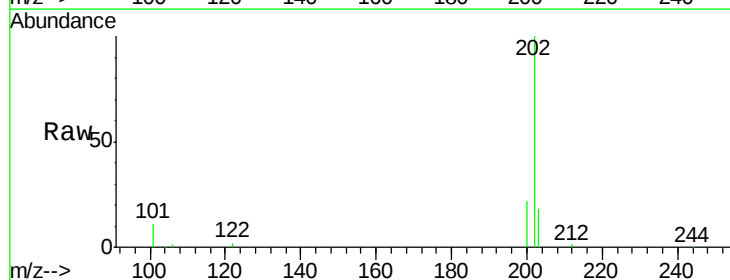
RT: 19.71 min Scan# 1832

Delta R.T. -0.01 min

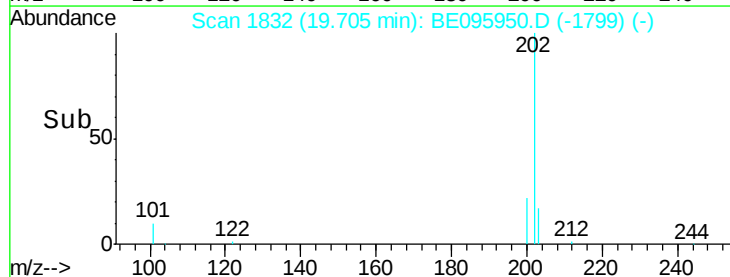
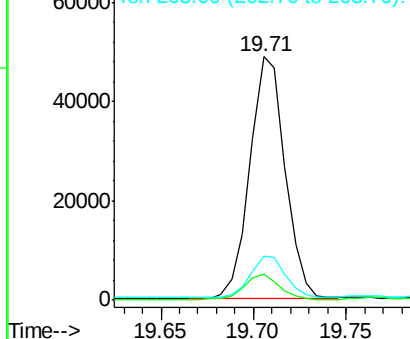
Lab File: BE095950.D

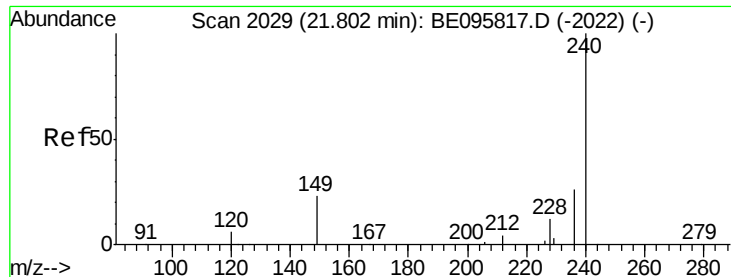
Acq: 5 Apr 2018 9:56

Tgt Ion:	202	Resp:	64642
Ion Ratio	Lower	Upper	
202	100		
101	10.0	9.8	14.8
203	17.4	13.7	20.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.79 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BE095950.D

Acq: 5 Apr 2018 9:56

Instrument :

BNA_E

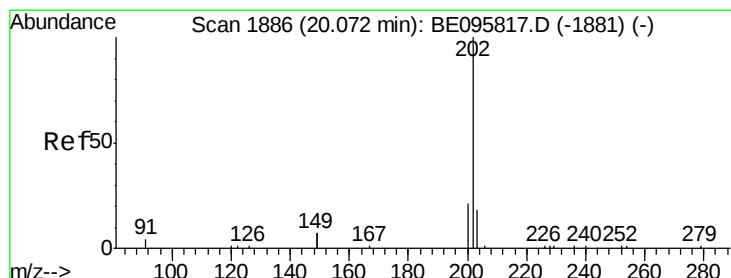
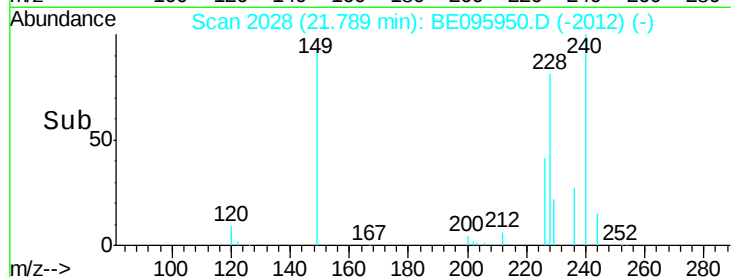
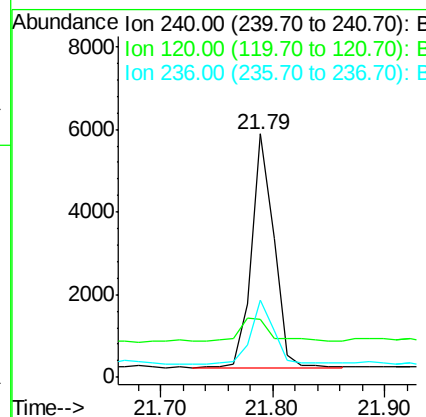
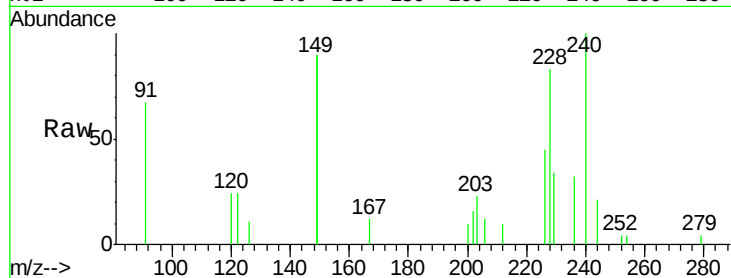
ClientSampled :

SB-2A

Tot Ion	Ratio	Lower	Upper
240	100		
120	23.6	5.5	8.3#
236	31.6	20.7	31.1#

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4/6/2018 5:26:26 PM



#28

Pyrene

Concen: 2.533 ng

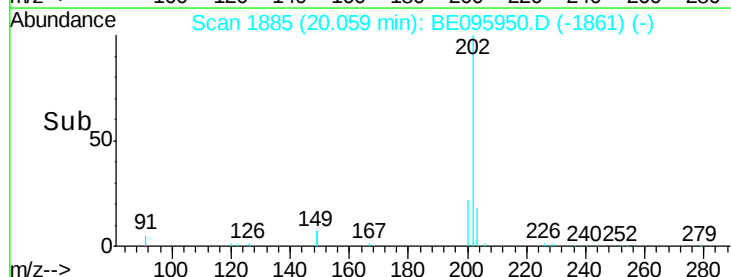
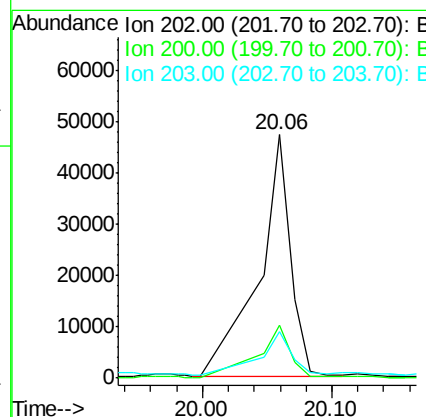
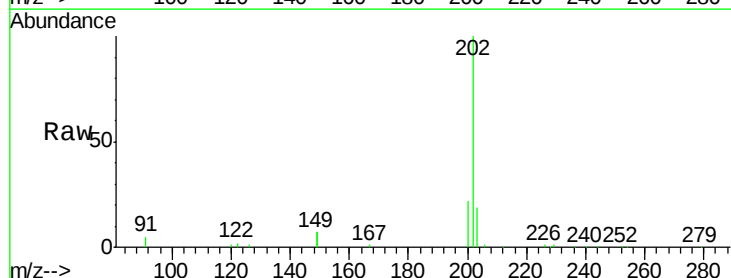
RT: 20.06 min Scan# 1885

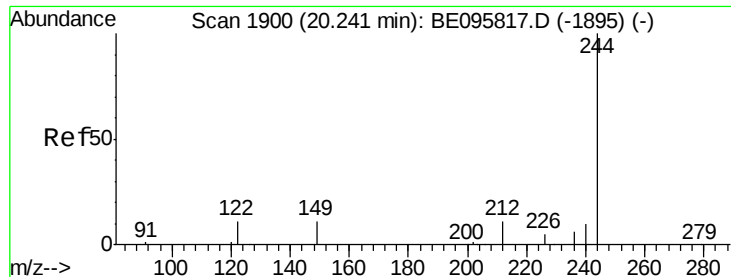
Delta R.T. -0.01 min

Lab File: BE095950.D

Acq: 5 Apr 2018 9:56

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.6	25.0
203	19.2	13.8	20.8





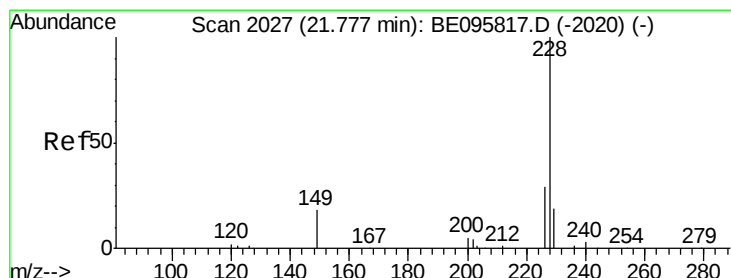
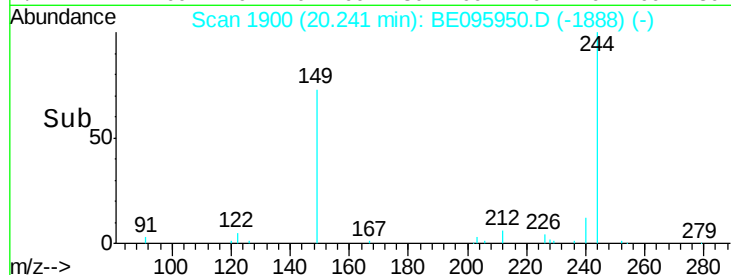
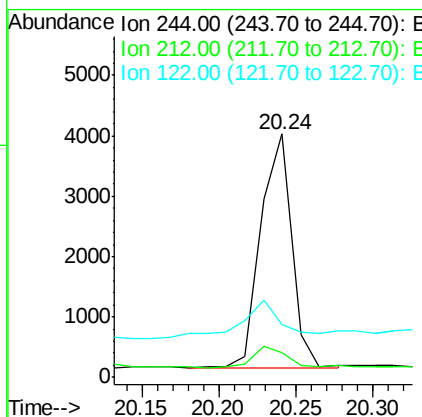
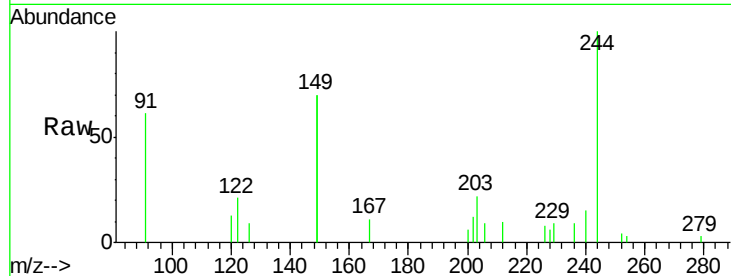
#29
 Terphenyl-d14
 Concen: 0.324 ng
 RT: 20.24 min Scan# 1900
 Delta R.T. -0.00 min
 Lab File: BE095950.D
 Acq: 5 Apr 2018 9:56

Instrument :
 BNA_E
 ClientSampled :
 SB-2A

Tot Ion	Ratio	Lower	Upper
244	100		
212	10.4	25.4	38.0#
122	21.5	8.1	12.1#

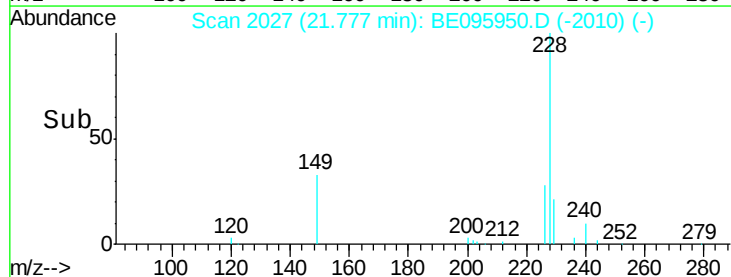
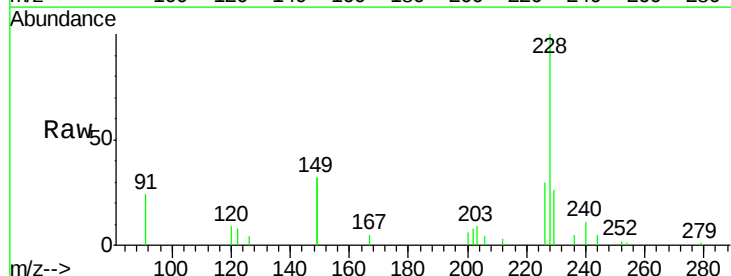
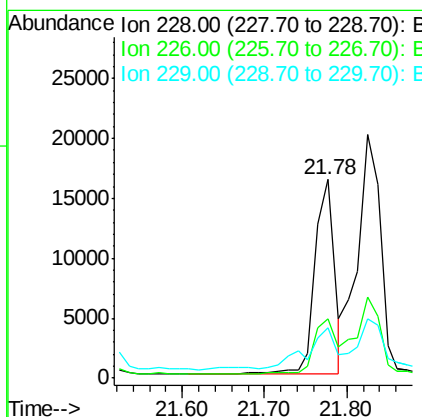
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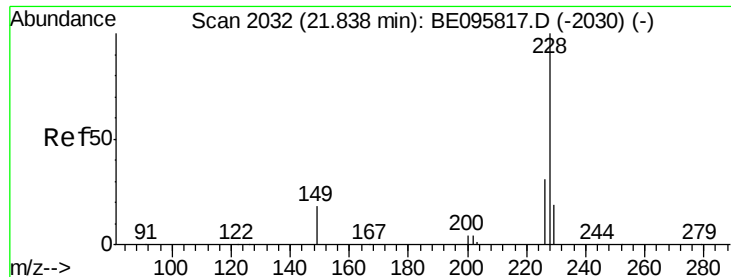
Sohil
 4/6/2018 5:26:26 PM



#30
 Benzo(a)anthracene
 Concen: 0.966 ng
 RT: 21.78 min Scan# 2027
 Delta R.T. -0.00 min
 Lab File: BE095950.D
 Acq: 5 Apr 2018 9:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	25.7	16.0	24.0#





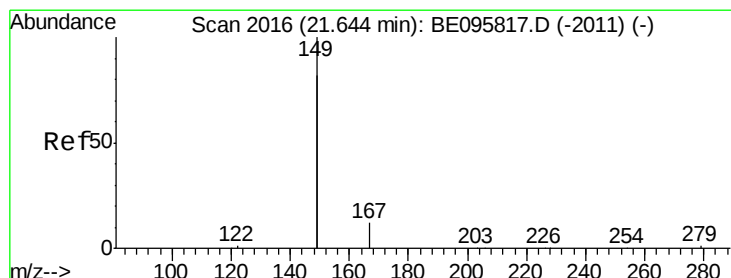
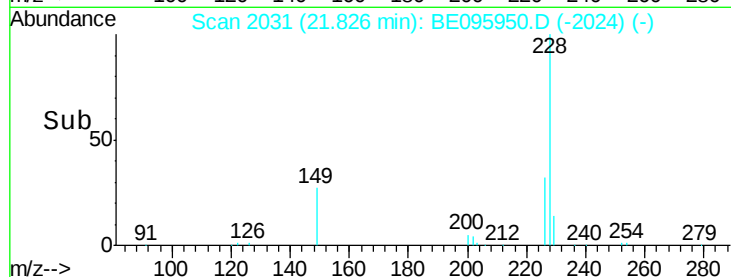
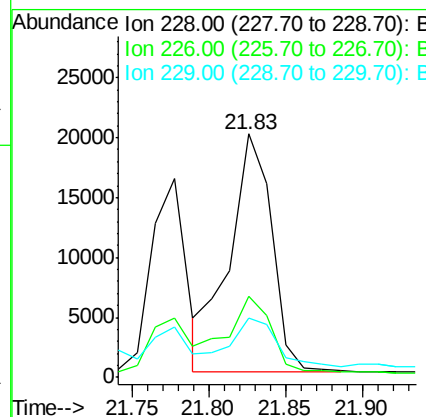
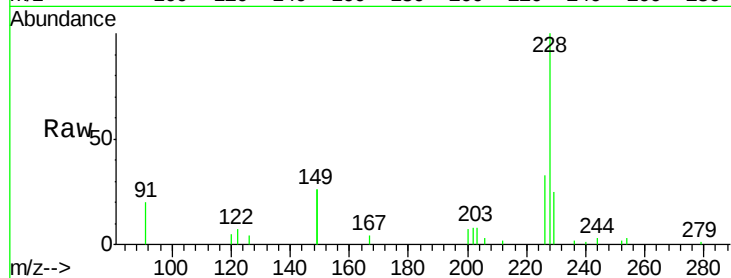
#31
Chrysene
Concen: 1.542 ng
RT: 21.83 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BE095950.D
Acq: 5 Apr 2018 9:56

Instrument :
BNA_E
ClientSampled :
SB-2A

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.0	36.0
229	24.5	16.0	24.0

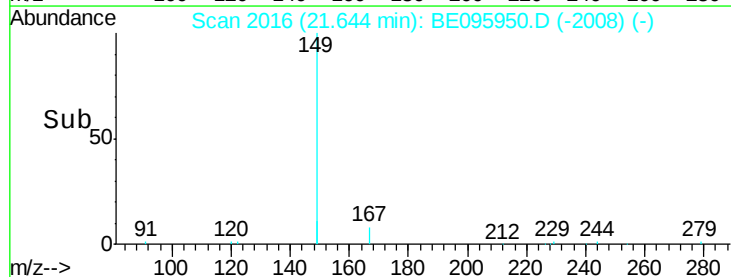
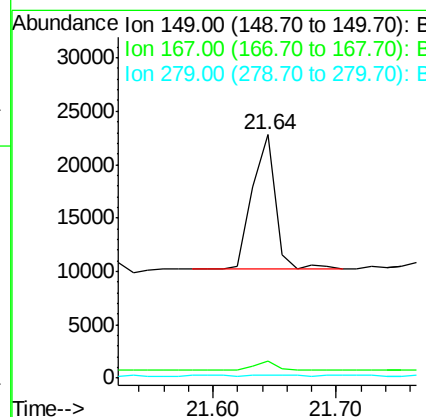
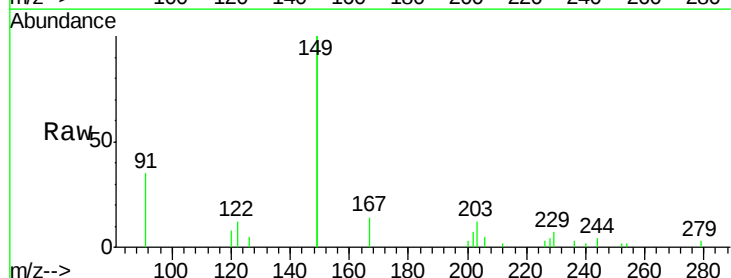
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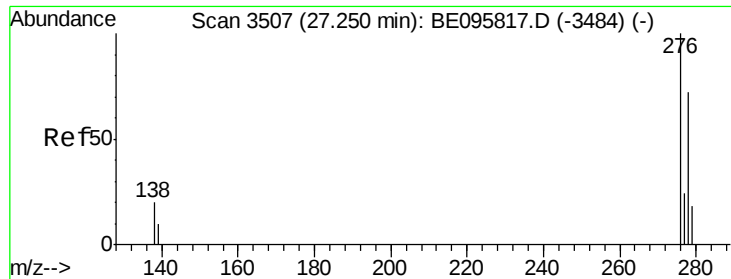
Sohil
4/6/2018 5:26:26 PM



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.198 ng
RT: 21.64 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BE095950.D
Acq: 5 Apr 2018 9:56

Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	0.8	0.7	1.1





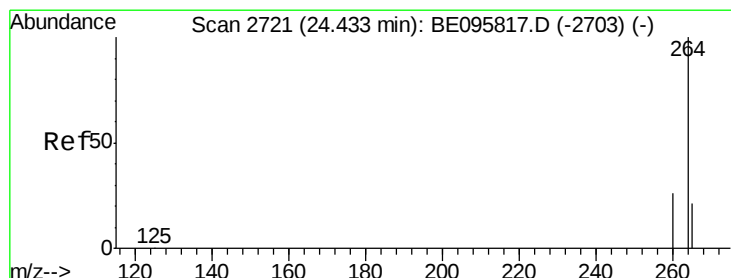
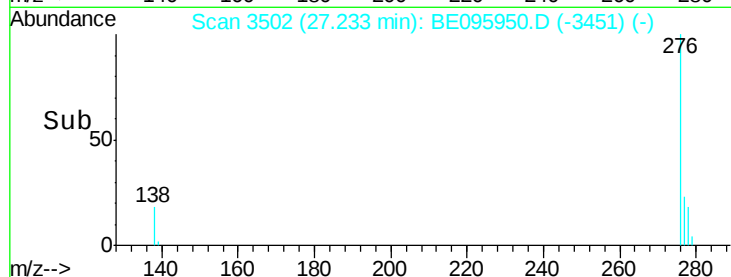
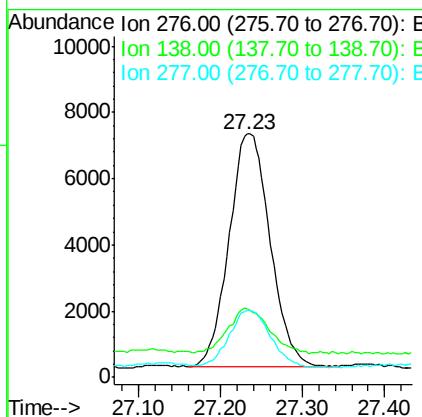
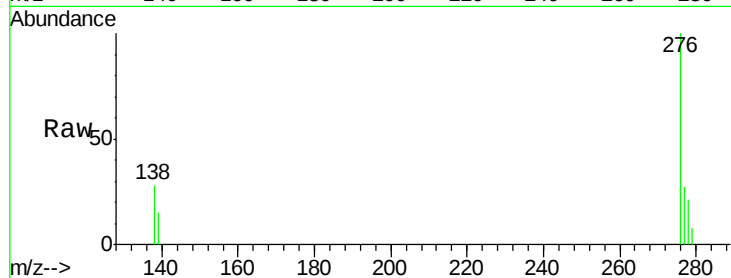
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.904 ng
RT: 27.23 min Scan# 3502
Delta R.T. -0.02 min
Lab File: BE095950.D
Acq: 5 Apr 2018 9:56

Instrument :
BNA_E
ClientSampleId :
SB-2A

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.8	22.5	33.7#
277	24.6	19.9	29.9

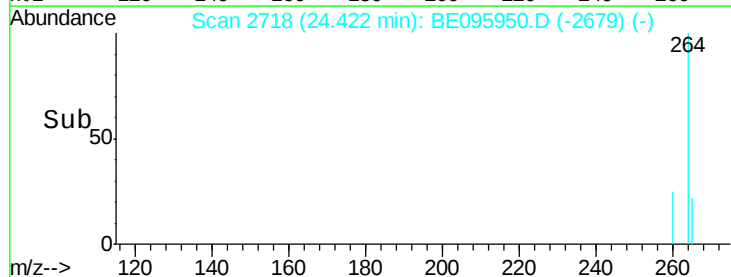
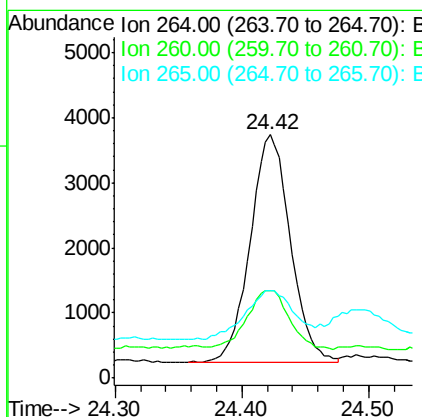
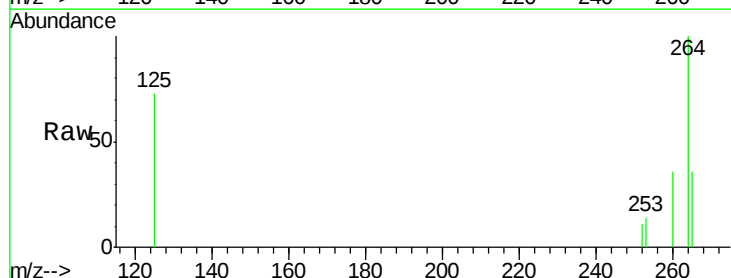
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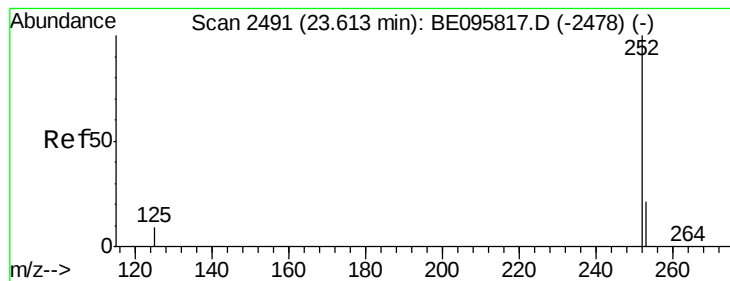
Sohil
4/6/2018 5:26:26 PM



#34
Perylene-d12
Concen: 0.400 ng
RT: 24.42 min Scan# 2718
Delta R.T. -0.01 min
Lab File: BE095950.D
Acq: 5 Apr 2018 9:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	36.1	20.5	30.7#
265	36.0	22.8	34.2#





#35

Benzo(b)fluoranthene

Concen: 1.850 ng

RT: 23.61 min Scan# 2489

Delta R.T. -0.01 min

Lab File: BE095950.D

Acq: 5 Apr 2018 9:56

Instrument :

BNA_E

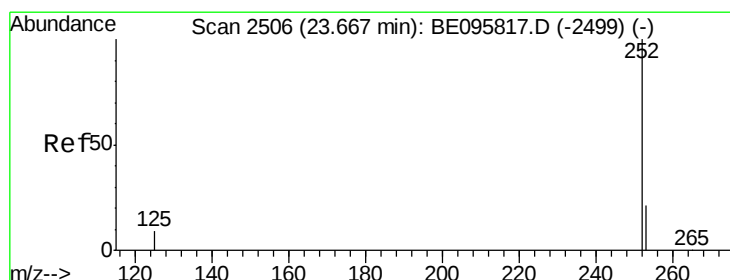
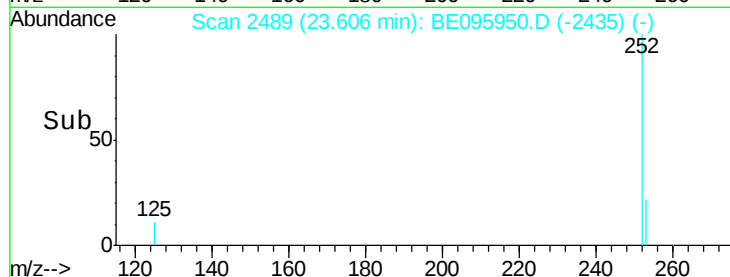
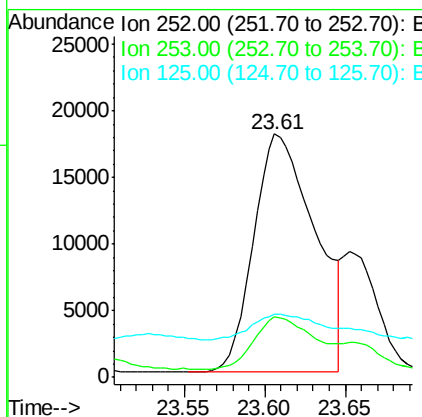
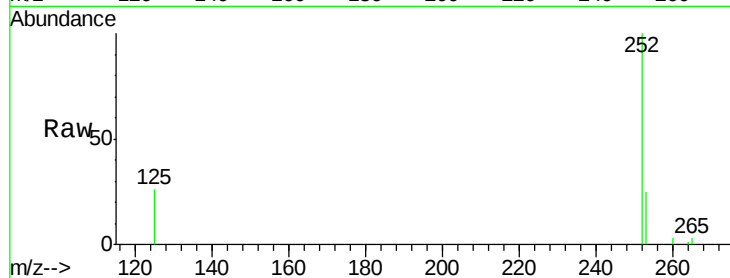
ClientSampled :

SB-2A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	20.0	30.0
125	25.9	16.0	24.0

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#36

Benzo(k)fluoranthene

Concen: 0.541 ng m

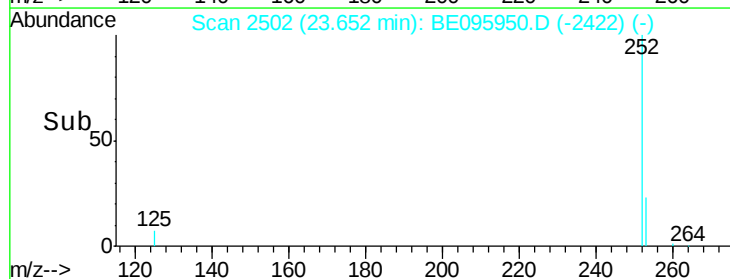
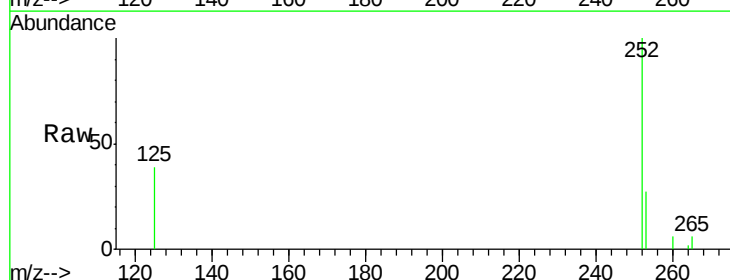
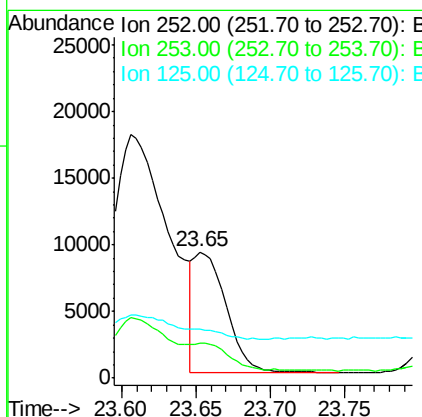
RT: 23.65 min Scan# 2502

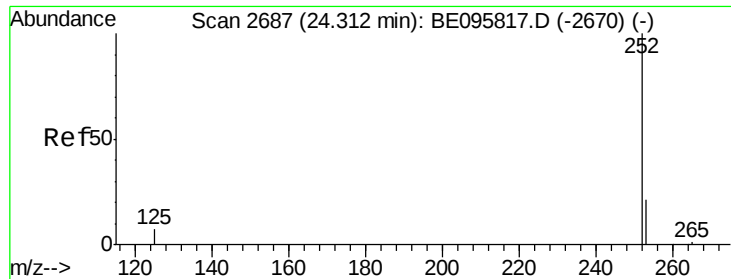
Delta R.T. -0.01 min

Lab File: BE095950.D

Acq: 5 Apr 2018 9:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	16.0	24.0
125	38.5	8.0	12.0





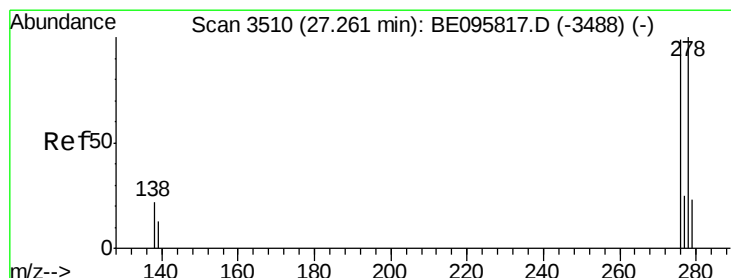
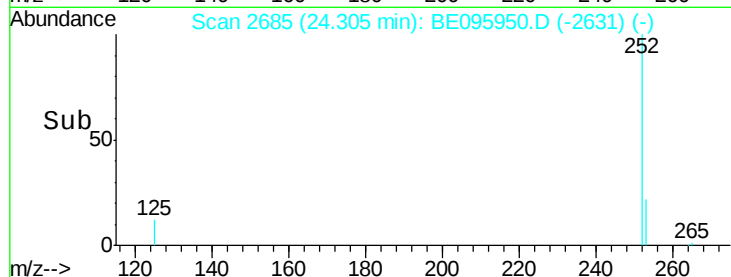
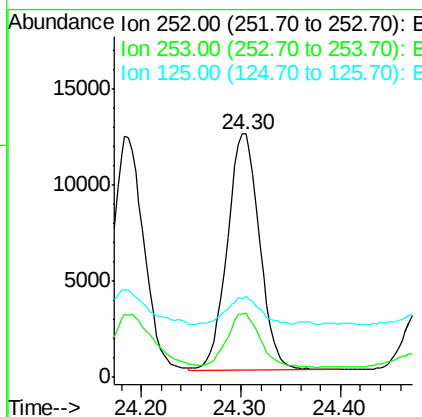
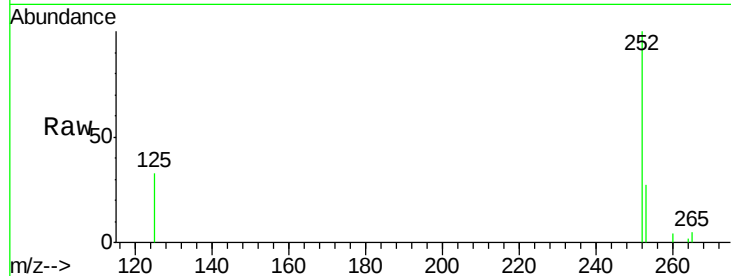
#37
Benzo(a)pyrene
Concen: 1.146 ng
RT: 24.30 min Scan# 2685
Delta R.T. -0.01 min
Lab File: BE095950.D
Acq: 5 Apr 2018 9:56

Instrument :
BNA_E
ClientSampleId :
SB-2A

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	16.0	24.0#
125	33.2	12.0	18.0#

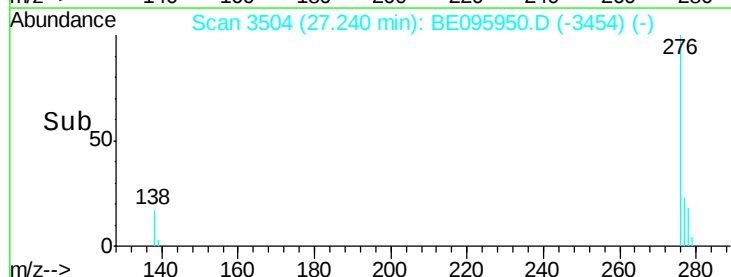
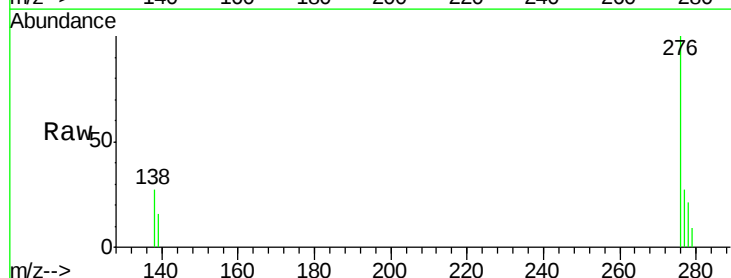
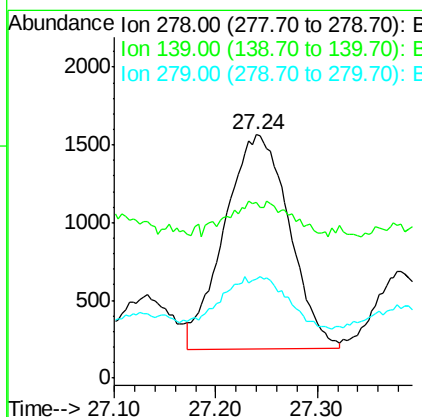
Manual Integrations
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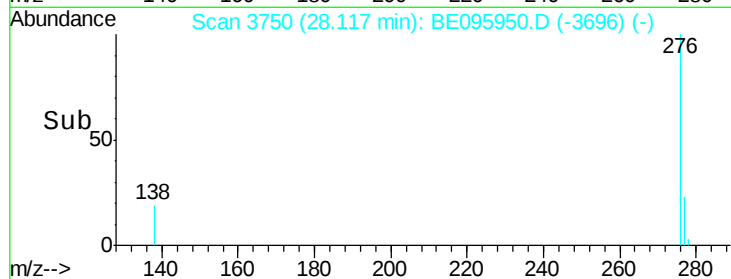
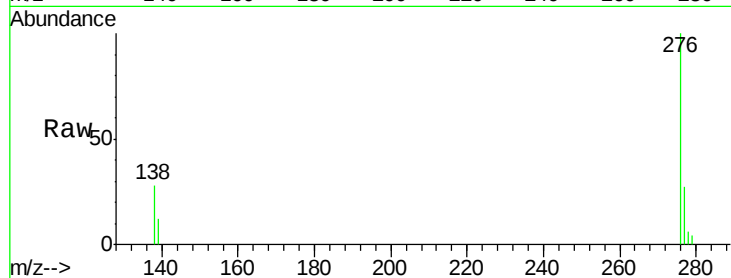
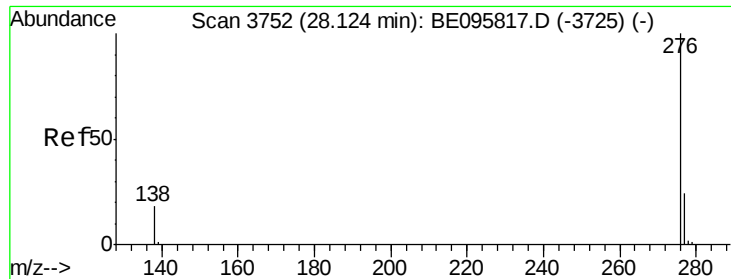
Sohil
4/6/2018 5:26:26 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.267 ng m
RT: 27.24 min Scan# 3504
Delta R.T. -0.02 min
Lab File: BE095950.D
Acq: 5 Apr 2018 9:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	72.3	16.0	24.0#
279	40.7	20.0	30.0#





#39

Benzo(a,h,i)perylene

Concen: 1.153 ng

RT: 28.12 min Scan# 3750

Delta R.T. -0.01 min

Lab File: BE095950.D

Acq: 5 Apr 2018 9:56

Instrument :

BNA_E

ClientSampleId :

SB-2A

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.6	16.0	24.0
138	27.7	20.0	30.0

Manual Integrations
APPROVED

Sohil
4/6/2018 5:26:26 PM

